

PLEASE **AMEND** THE CLAIMS AS FOLLOWS:

1. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

obtaining a control command at the network device, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device;

sending the control command from the network device to ~~the central server via the local server~~ via the second network; and

sending the control command from the local server to the central server via the first network; and

receiving a modified flow of the audio visual data from the central server at the network device in response to the control command.

2. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

obtaining a control command at the network device, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device;

sending the control command from the network device to ~~the central server via the local server~~ via the second network; and

sending the control command from the local server to the central server via the first network; and

modifying the flow of the audio visual data from the central server to the network device in response to the control command.

3. (Currently Amended) The method as recited in claim 2, wherein modifying the flow of the audio visual data from the central server to the network device in response to the control command comprises:

modifying the flow of the audio visual data from the central server via the first network to the local server; and

when modifying the flow of the audio visual data from the central server to the local server includes sending a compressed audio visual data stream to the local server, sending the compressed audio visual data stream from the local server to the network device via the second network.

4. (Original) The method as recited in claim 3, further comprising:

prior to sending the compressed audio visual data stream to the network device, storing the compressed audio visual data stream in a memory associated with the local server.

5. (Original) The method as recited in claim 3, wherein sending the compressed audio visual data stream to the network device is performed in real time.

6. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

receiving a control command at the central server from one of the plurality of network devices via the local server, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device via the local server; and

modifying the flow of the audio visual data from the central server to the network device via the local server in response to the control command, thereby enabling the flow of audio visual data from the central server to the network device to be interactively controlled by the network device.

7. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of transmitting a audio visual data stream from the central server to one of the plurality of network devices, the method comprising:

receiving a control command from one of the plurality of network devices, the control command indicating a desired modification to the audio visual data stream being transmitted from the central server to the one of the plurality of network devices via the local server; and

sending a modified audio visual data stream from the central server to the one of the plurality of network devices via the local server in response to the control command, thereby enabling a audio visual data stream being transmitted from the central server to the network device to be interactively controlled from the network device.

8. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the method comprising:

receiving a control command at the local server from the network device via the second network, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device;

sending the control command from the local server to the central server via the first network;

receiving a modified audio visual data flow at the local server from the central server via the first network in response to the control command; and

transmitting the modified audio visual data flow from the local server to the network device via the second network, thereby enabling the network device to modify the flow of the audio visual data from the central server to the network device.

9. (Original) The method as recited in claim 8, further comprising:

determining whether a file associated with the control command is stored in a memory associated with the local server; and

performing the sending and receiving steps when the file associated with the control command is not stored in the memory associated with the local server.

10. (Original) The method as recited in claim 8, further comprising:

prior to sending the modified audio visual data flow from the local server to the network device, storing the modified audio visual data flow in a memory associated with the local server.

11. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is associated with a first file that is different from a second file associated with the audio visual data that is sent from the central server to the network device.

12. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is sent from the local server to the network device at a speed identical to that of the modified audio visual data flow received from the central server.
13. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is received by the local server at a speed that is different from a speed of the flow of the audio visual data from the central server to the network device prior to sending the control command to the central server.
14. (Original) The method as recited in claim 8, wherein the modified audio visual data flow is initiated at a first point in a file that is different from a second point in the file at which the control command is received at the local server during the flow of the audio visual data.
15. (Original) The method as recited in claim 8, the audio visual data is associated with a first file and the modified audio visual data flow is associated with a second file.
16. (Original) The method as recited in claim 15, wherein the first file is different from the second file.
17. (Original) The method as recited in claim 15, wherein the first file identical to the second file.
18. (Original) The method as recited in claim 13, wherein the first file is a movie file or a karaoke file and the second file is a movie file or a karaoke file.
19. (Currently Amended) In a first network including a local server coupled to a central server, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the local server having a memory associated therewith, the method comprising:
- receiving a control command at the local server from the network device via the second network, the control command indicating a desired initiation of audio visual data flow associated with a specified file;

determining whether the specified file is stored in the memory associated with the local server; and

when it is determined that the specified file is not stored in the memory associated with the local server, sending the control command from the local server to the central server via the first network.

20. (Currently Amended) The method as recited in claim 19, further comprising:

when it is determined that the specified file is not stored in the memory associated with the local server, receiving an audio visual data stream by the local server from the central server via the first network in response to the control command and sending the audio visual data stream from the local server to the network device via the second network.

21. (Currently Amended) The method as recited in claim 19, further comprising:

receiving an audio visual data stream from the central server at the local server via the first network in response to the control command; and

sending the audio visual data stream from the local server to the network device via the second network.

22. (Original) The method as recited in claim 20, further comprising:

when it is determined that the specified file is not stored in the memory associated with the local server, storing the audio visual data stream in a file in the memory associated with the local server.

23. (Currently Amended) The method as recited in claim 19, further comprising:

receiving compressed data associated with the specified file from the central server at the local server via the first network in response to the control command; and

storing the specified file in the memory associated with the local server.

24. (Currently Amended) In a local server, the local server being coupled to a central server in a first network, the local server being coupled to a plurality of network devices via a second network, a method of interactively controlling from one of the plurality of network devices a flow of audio visual data from the central server to the network device, the local server having a memory associated therewith, the method comprising:

receiving a control command at the local server from the network device via the second network, the control command indicating a desired initiation of data flow associated with a specified file;

sending the control command from the local server to the central server via the first network;

receiving an audio visual data stream from the central server at the local server via the first network in response to the control command; and

transmitting the audio visual data stream from the local server to the network device via the second network.

25. (Original) The method as recited in claim 24, further comprising:

storing the audio visual data stream in the memory associated with the local server.

26. (Currently Amended) A central server adapted for being coupled to a local server via a first network, the local server being coupled to a plurality of network devices via a second network, the central server being adapted for transmitting a audio visual data stream from the central server to one or more of the plurality of network devices via the local server, comprising:

a processor; and

a memory, the memory storing therein instructions for:

receiving a control command at the central server from one of the plurality of network devices via the local server, the control command indicating a desired modification to the audio visual data stream being transmitted from the central server to the one of the plurality of network devices via the local server; and

sending a modified audio visual data stream from the central server to the network device via the local server in response to the control command, thereby enabling an audio visual data stream being transmitted from the central server to the network device to be interactively controlled from the network device.

27. (Currently Amended) A local server adapted for being coupled to a central server via a first network and to a plurality of network devices via a second network, the local server being configured for interactively controlling a flow of audio visual data from the central server to one of the plurality of network devices, comprising:

a processor; and

a memory storing therein the following instructions:

instructions for receiving a control command at the local server from the network device via the second network, the control command indicating a desired modification to the flow of the audio visual data from the central server to the network device;

instructions for sending the control command from the local server to the central server via the first network;

instructions for receiving a modified audio visual data flow at the local server from the central server via the first network in response to the control command; and

instructions for transmitting the modified audio visual data flow from the local server to the network device via the second network, thereby enabling the network device to modify the flow of the audio visual data from the central server to the network device.

28. (Original) The local server as recited in claim 27, the memory further comprising:  
instructions for determining whether a file associated with the control command is stored in a memory associated with the local server; and

instructions for performing the sending and receiving steps when the file associated with the control command is not stored in the memory associated with the local server.

29. (Currently Amended) A local server coupled to a central server via a first network, the local server being coupled to a plurality of network devices via a second network, the local server being adapted for interactively controlling from one of the plurality of network devices a flow of audio visual data to the network device, comprising:

a processor; and

a memory, the memory storing therein the following instructions:

instructions for receiving a control command at the local server from the network device via the second network, the control command requesting an initiation of audio visual data flow associated with a specified file;

instructions for determining whether the specified file is stored in a memory associated with the local server; and

instructions for sending the control command from the local server to the central server via the first network when it is determined that the specified file is not stored in the memory associated with the local server.

30. (Currently Amended) The local server as recited in claim 29, the memory further comprising:

instructions for receiving an audio visual data stream at the local server from the central server via the first network in response to the control command and sending the audio visual data stream from the local server to the network device via the second network.

31. (Original) The local server as recited in claim 30, the memory further comprising:  
instructions for storing the audio visual data stream in a file in the memory associated with the local server.

32. (Currently Amended) A system for enabling a continuous stream of audio visual data to be sent to a network device, comprising:  
a central server having a memory associated therewith, the memory having stored therein a plurality of files;  
a local server coupled to the central server via a first network and having a memory associated therewith, the local server configured to obtain a file from the central server when the file that is requested is not stored in the memory associated with the local server; and  
a plurality of network devices coupled to the local server via a second network, each of the plurality of network devices being configured for sending a file request to the local server, the file request indicating a request for audio visual data associated with a requested file.

33. (Original) The system as recited in claim 32, further comprising:  
a memory associated with the local server;  
wherein the local server is configured to store the file in the memory when the file is obtained from the central server.

34. (Currently Amended) The system as recited in claim 33, wherein the local server is configured to transmit an audio visual data stream associated with the file to one of the plurality of network devices via the second network when the file is obtained from the central server in response to the file request received from the one of the plurality of network devices.

35. (Currently Amended) The system as recited in claim 32, wherein the local server is configured to transmit an audio visual data stream associated with the file to one of the plurality of network devices via the second network when the file is obtained from the central server in response to the file request received from the one of the plurality of network devices.



36. (Original) The system as recited in claim 35, wherein the central server is configured to transmit a modified audio visual data stream in response to a control command received from the one of the plurality of network devices and wherein each of the plurality of network devices is configured to send a control command indicating a desired modification to the audio visual data stream being transmitted to the corresponding network device.

37. (Currently Amended) A local server adapted for being coupled to a central server via a first network and a plurality of network devices via a second network, the local server being configured to interactively control from one of the plurality of network devices a flow of audio visual data from the central server to one of the plurality of network devices, comprising:

- a processor; and

- a memory associated therewith, the memory storing therein the following instructions:

- instructions for receiving a first control command at the local server from the network device via the second network, the first control command indicating a desired initiation of data flow associated with a specified file;

- instructions for forwarding the first control command from the local server to the central server via the first network;

- instructions for receiving an audio visual data stream from the central server at the local server via the first network in response to the first control command;

- instructions for transmitting the audio visual data stream from the local server to the network device via the second network;

- instructions for receiving a second control command at the local server from the network device via the second network, the second control command indicating a desired modification of data flow;

- instructions for forwarding the second control command from the local server to the central server via the first network;

- instructions for receiving a modified audio visual data stream from the central server at the local server via the first network in response to the second control command; and

- instructions for transmitting the modified audio visual data stream from the local server to the network device via the second network.

38. (Original) The local server as recited in claim 37, the memory further comprising:  
instructions for storing the first audio visual data stream in the memory associated with  
the local server.
39. (Original) The local server as recited in claim 37, wherein the specified file is a  
karaoke file.
40. (Original) The local server as recited in claim 37, wherein the specified file is a  
movie file.
41. (Currently Amended) A network device adapted for being coupled to a first network  
including a local server coupled to a central server, the local server adapted for being coupled to  
a plurality of network devices via a second network, the network device being adapted for  
interactively controlling a flow of audio visual data from the central server to the network device,  
comprising:  
a processor; and  
a memory, at least one of the processor and the memory being adapted for:  
obtaining a control command at the network device, the control command  
indicating a desired modification to the flow of the audio visual data from the central  
server to the network device;  
sending the control command from the network device to the ~~central server via~~  
the local server via the second network; and  
sending the control command from the local server to the central server via the  
first network; and  
receiving a modified flow of the audio visual data from the central server at the  
network device in response to the control command.
42. (Currently Amended) A computer-readable medium adapted for interactively controlling  
from a network device a flow of audio visual data from a central server to the network device,  
the central server being connected to the network device via a local server adapted for being  
coupled to a plurality of network devices, comprising:  
instructions for receiving a control command at the local server from the network device,  
the control command indicating a desired initiation of data flow associated with a specified file;  
~~instructions for connecting to the central server via the Internet;~~

instructions for sending the control command from the local server to the central server via the Internet; and

instructions for receiving an audio visual data stream at the local server transmitted from the central server via the Internet in response to the control command; and

instructions for sending the audio visual data stream from ~~via the local server to the network device in response to the control command.~~

43. (Currently Amended) The computer-readable medium as recited in claim 42, further comprising:

instructions for transmitting the audio visual data stream from the local server to the network device via a switch.

44. (Currently Amended) The computer-readable medium as recited in claim 42, further comprising:

instructions for requesting by the local server that the specified file be downloaded to the local server from the central server.

45. (Original) The computer-readable medium as recited in claim 42, wherein the specified file is a karaoke file.

46. (Original) The computer-readable medium as recited in claim 42, wherein the specified file is a movie file.

47. (Currently Amended) A computer-readable medium adapted for interactively controlling from a network device a flow of audio visual data from a central server to the network device, the central server being connected to the network device via a local server adapted for being coupled to a plurality of network devices, comprising:

~~instructions for connecting to the central server via the Internet;~~

instructions for receiving a control command at a local server from the network device, the control command requesting that a specified file be downloaded from the central server to the local server, thereby enabling transmission of audio visual data associated with the specified file to be controlled at the local server by the network device; and

instructions for sending the control command from the local server to the central server.

48. (Original) The computer-readable medium as recited in claim 47, further comprising:  
instructions for selecting the specified file from one of a plurality of files stored in a  
memory associated with the central server.

49. (Original) The computer-readable medium as recited in claim 47, wherein the  
specified file is a karaoke file.

50. (Original) The computer-readable medium as recited in claim 47, wherein the  
specified file is a movie file.

Please **ADD** new claims as follows:

51. (New) The method as recited in claim 1, wherein the first network is the Internet.

52. (New) The method as recited in claim 1, wherein the first network is a wide area network  
and the second network is a local area network.

53. (New) The method as recited in claim 1, wherein each of the plurality of network devices  
is coupled to the local server via a switch.

54. (New) The method as recited in claim 53, wherein each of the plurality of network  
devices is a set-top box.

55. (New) The method as recited in claim 2, wherein the first network is the Internet.

56. (New) The method as recited in claim 2, wherein the first network is a wide area network  
and the second network is a local area network.

57. (New) The method as recited in claim 2, wherein each of the plurality of network devices  
is coupled to the local server via a switch.

58. (New) The method as recited in claim 57, wherein each of the plurality of network  
devices is a set-top box.

59. (New) The method as recited in claim 8, wherein the first network is the Internet.

60. (New) The method as recited in claim 8, wherein the first network is a wide area network and the second network is a local area network.

61. (New) The method as recited in claim 8, wherein each of the plurality of network devices is coupled to the local server via a switch.

62. (New) The method as recited in claim 61, wherein each of the plurality of network devices is a set-top box.

63. (New) The method as recited in claim 19, wherein the first network is the Internet.

64. (New) The method as recited in claim 19, wherein the first network is a wide area network and the second network is a local area network.

65. (New) The method as recited in claim 19, wherein each of the plurality of network devices is coupled to the local server via a switch.

66. (New) The method as recited in claim 65, wherein each of the plurality of network devices is a set-top box.

67. (New) The method as recited in claim 24, wherein the first network is the Internet.

68. (New) The method as recited in claim 24, wherein the first network is a wide area network and the second network is a local area network.

69. (New) The method as recited in claim 24, wherein each of the plurality of network devices is coupled to the local server via a switch.

70. (New) The method as recited in claim 69, wherein each of the plurality of network devices is a set-top box.

71. (New) The system as recited in claim 32, wherein the first network is the Internet.

72. (New) The system as recited in claim 32, wherein the first network is a wide area network and the second network is a local area network.

73. (New) The system as recited in claim 32, wherein each of the plurality of network devices is coupled to the local server via a switch.

74. (New) The system as recited in claim 73, wherein each of the plurality of network devices is a set-top box.

75. (New) The method as recited in claim 1, wherein the second network is a wireless local area network.

76. (New) The method as recited in claim 2, wherein the second network is a wireless local area network.

77. (New) The method as recited in claim 8, wherein the second network is a wireless local area network.

78. (New) The method as recited in claim 19, wherein the second network is a wireless local area network.